CCTV SECURITY SYSTEMS

manufactured by TEVICOM

OMEGA

Securing your Future

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Secure the Important Things...

Security cameras are everywhere today and the reason is quite clear: it's the best way to monitor your home, business, commercial, industrial or agricultural operations and ensure safety.

With digital technology and low operating costs security cameras are not just in banks any more; you will find them in every conceivable place, making them among the most widely used security systems. Beyond safety applications, these cameras can also be useful tools for monitoring reception areas, production lines, loading bays, agricultural facilities and much more.

Install a Tevicom CCTV system today and enjoy the convenience of securing your future with one of OMEGA's vast product ranges.

Application of CCTV Security System

Example of camera and DVR placements

High Speed PTZ Dome Camera

Traffic Monitoring

SPECIFICATIONS	TEV-PTZ440
Signal System	NTSC, PAL
Image Sensor	1/4" Sony Super HAD
Total Number of Pixels	811(h) x 508(v), 410k, NTSC 795(h) x 596(v), 470k, PAL
Total Number of Effective Pixels	768(h) x 494(v), 380k, NTSC 752(h) x 582(v), 440k, PAL
Horizontal Resolution	More Than 480TVLines
Lens	27x Optical Zoom, F 1.5(Wide) -3.8(Tele), f=3.25-88.0mm, Video AF
Digital Zoom	10x (27x~270x)
Minimum Shooting Distance	0.01m (Wide), 1.0m(Tele)
Minimum Illumination	Normal Mode: 0.003Lux (32 Field Accumulate)
Luminance S/N Ratio	More Than 50dB
OSD	On/Off
Video Output	Composite Output 75ohm Terminated 1.0 Vpp, Y/C separate output
Sync System	Internal/External (Line Lock) /Auto Detect
Focus Mode	Auto/Manual/One Shot
Brightness Control	Auto/Manual
White Balance	Auto/Special/Indoor/Outdoor /Manual/Push Auto
AE Mode	Auto/IRIS Manual/AGC Manual /Manual
IRIS Control	Auto/Manual(IRIS Up/Down)
AGC Control	Auto/Manual(8dB~38dB Control)
Shutter Speed Control	1/60-1/10000 Sec 28 Steps, NTSC 1/50-1/10000 Sec 28 Steps, PAL
Flickerless Set	On/Off (1/100 Sec Shutter Set), NTSC On/Off (1/120 Sec Shutter Set), PAL
WDR	On/Off Auto
Negitive/Positive	Negative On/off
Electronic Sensitivity Up	Auto: x2, x4, x6, x10, x16, x32 Fix: x2, x4, x6, x10, x16
Auto Flip	On/Off
Pan Rotation Angle	360° Continuous
Pan Speed	Manual: 0.7° - 250°/sec (64 Levels) Preset: Max 360°/sec (64 Levels)
Speed Control	Lower/Middle/High
Tilt Rotational Angle	0° - 90°
Tilt Speed	Manual 0.7° - 90°/sec (64 Levels) Preset: Max 200/sec (64 Levels)
Preset Control	128 Presets
Environment	Indoor (outdoor unit TEV-PTZ440H)
Operating Temperature	-40°C to 60°C
Storage Temperature	-5°C to 60°C
Dimensions (DxH)	Wall Mount Type: 373.4 mm x 302 mm Pole Mount Type: 373.4 mm x 594.2 mm
Weight	Wall Mount Type: 4.3kg Pole Mount Type: 3.8kg
Construction	Ivory Body (ABS), Black Bubble (ABS)
Power Consumption	MAX. 20W (Motor Active)
Power Supply	24VAC 60/50 Hz

Day & Night Professional Pan/Tilt/Zoom High Speed Dome Camera 27x Optical Zoom in Colour

Cat No. TEV-PTZ440, TEV-PTZ440H (Picture Depicting Outdoor Unit TEV-PTZ440H)

***Power supply included**

Features :

- Operates in day and night conditions.
- Ultra high speed dome camera integrated with pan/tilt/driver and receiver.
- TEV-PTZ440H camera comes with built fan and heater.
- Max. 270 x zoom lens camera (27 x optical, 10 x digital).
- Day and night options with minium 0.003Lux.
- 1/4" Sony Super HAD CCS w/high resolution with more than 480TV lines.
- Rotation angle-horizontal: 360°, continuous, vertical-90°.
- Max. speed: pan 360°/sec, tilt-200°/sec (on preset mode).
- Variable preset speed. Can control camera speed between 1-64 seconds.
- Proportional speed-increases and decreases panning speed in proportion to depth of zoom.
- 128 camera angle preset positions.
- Excellent one shot/auto focus tracking.
- Built-in menu system for setup of camera.
- Alarm-Input: 4CH active high/low selective input, output: 1 relay output.
- Various surveillance modes - swing, tower, group, flip.
- Built-in digital-flip allows immediate automatic 180° turning.
- Elegant design and great durability, w/5.4 inch bubble.
- Communication system-RS-485/422.
- Controlled by TEV-255 pan/tilt/controlling keyboard, or DVR.

Controller For PTZ Dome Camera

Cat No. TEV-255

Features :

- Controls up to a maximum 255 PTZ cameras.
- Preset control: 128 position memory for each camera.
- Back-up for electricity failure.
- Joystick control for pan/tilt movement.
- Expandability up to 8-sub keyboards or 7 sub-key boards with 1 DVR.

SPECIFICATIONS	TEV-255
Control	Pan/Tilt/Zoom, Power, Auto Pan, AUX Control x2 Preset
Communication	RS-485(422)
Data Speed	RS485-9600bps, N, 8, 1
Connection	Via Junction Box
Distance	Max. 1.2km (In Case of Using Modular Jacks)
Power	9VDC,500mA
Power consumption	6W
Operating Temperature	-10° to 50°C
Humidity	20~80% Non-Condensing
Dimension	337.5 x 50 x 153mm (WxHxD)

Wall Mounting Pendant

Cat No. TEV-SWM

Features :

- Material - steel
- Colour - ivory
- Strong powder coating
- Pipe diameter - 34mm
- Max. size - 207x 191.4mm
- Weight - 500g

Outdoor Housing Unit with Built-In Fan and Heater

Cat No. TEV-PTZ440H

Features :

- Ambient - 40°C to 60°C
- Heater operating at below -10°C
- Fan operating at over 45°C
- Power supply - 24VAC
- Dimension - 327.5(h)x332.88(d)mm

Ceiling Mounting Pendant

Cat No. TEV-SCM

Features :

- Material - steel
- Colour - ivory
- Strong powder coating
- Pipe diameter - 34mm
- Max. size - 207x 88mm
- Weight - 400g

In-Ceiling Mounting Pendant

Cat No. TEV-SICM

Features :

- Material - steel
- Colour - ivory
- Strong powder coating
- Height - 10mm
- Max. size - 280mm
- Weight - 250g

Dome Cameras

Extreme Environments

Day & Night Vandal Resistant, Vari-Focal Lens Dome Camera

Cat No. VRCD-5351

*** Power supply not included**

Features :

- Operates in day and night conditions.
- Super high resolution 540TV lines.
- Colour.
- 12VDC/24VAC dual voltage.
- Illumination min. 0.002Lux.
- IP65 weather proof.
- Vari-focal lens 3.8 - 9.5mm.

SPECIFICATIONS	VRCD-5351	CTVD-410VD	CTVD-410VA
CCD Sensor	1/3" Interline Transfer CCD	1/3" Colour Sony Super HAD CCD	1/3" Colour Sony Super HAD CCD
Scanning System		2:1 Interlace 525 Lines / 60 Fields 30 Frames (NTSC) 2:1 Interlace 625 Lines / 50 Fields 25 Frames (PAL)	2:1 Interlace 525 Lines / 60 Fields 30 Frames (NTSC) 2:1 Interlace 625 Lines / 50 Fields 25 Frames (PAL)
Effective Pixels	768(h) x 494(v), NTSC 752(h) x 582(v), PAL	768(h) x 494(v), NTSC 752(h) x 582(v), PAL	768(h) x 494(v), NTSC 752(h) x 582(v), PAL
H.Resolution	540 TV Lines	480 TV Lines	480 TV Lines
Illumination min.	0.002 Lux (AGC On)	0.3 Lux (AGC On)	0.3 Lux (AGC On)
S/N Ratio	≥ 50 dB (AGC Off)	≥ 50 dB (AGC Off)	≥ 50 dB (AGC Off)
Video Output	1.0Vp-p, 75 hm Load, VBS	1.0Vp-p, 75ohm Load, VBS	1.0Vp-p, 75ohm Load, VBS
Gamma	R=0.45	R=0.45	R=0.45
White Balance	ATW/AWC/MANUAL	AUTO	AUTO
Backlight Compensation	On/Off Selectable	On/Off Selectable	On/Off Selectable
Flickerless	On/Off Selectable	On/Off Selectable	On/Off Selectable
ESC	On/Off Selectable	On/off Selectable	On/Off Selectable
AGC	On/Off Selectable	On/Off Selectable	On/Off Selectable
Synchronization	INT/L.L	INT	INT/L.L
Electronic Shutter	Auto /Manual 1/60- 1/120,000(NTSC) 1/50-1/120,000(PAL)	Auto 1/60- 1/100,000(NTSC) 1/50-1/100,000(PAL)	Auto 1/60-1/100,000(NTSC) 1/50-1/100,000(PAL)
Lens	Vari-focal 3.8 ~ 9.5mm	Vari-focal DC AUTO IRIS Lens, f=4~9mm	Vari-focal DC AUTO IRIS Lens, f=4~9mm
Power Source	24VAC/12VDC	12VDC, 300mA	24VAC, 300mA
Power Consumption	5.6W/3.0W	1.6W	4.5W
Operating Temperature	-10˚C to 50˚C	-10˚C to 50˚C	-10˚C to 50˚C
Weight	1,100g	700g	700g
Dimensions	150 x 125mm (WxH)	150 x 125mm (WxH)	150 x 125mm (WxH)

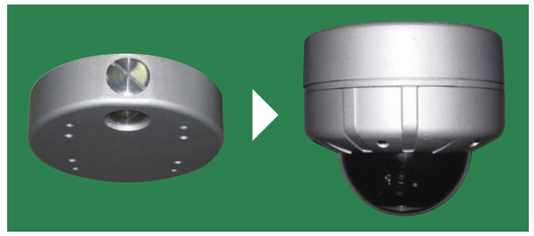
Vandal Resistant, Vari-focal Lens Dome Camera

Cat No. CTVD-410VD, CTVD-410VA

*** Power supply not included**

Features :

- Ultra high impact dome cover and heavy duty metal base.
- 1/3" colour Sony Super HAD CCD.
- High resolution more than 480TV lines.
- Minimum illumination of 0.3Lux.
- Built-in vari-focal and DC auto IRIS lens (4.0~9.0mm).
- Signal to noise ratio of 50dB.
- DC level adjustment.
- 12VDC or 24VAC power requirement.
- Surface mounting bracket (optional) SB-120V.
- One way audio (optional).



Optional Surface Mounting Bracket

Cat No. SB-120V (Only for cameras CTVD-410VD, CTVD-410VA)

Dome Cameras

General Hi-Resolution Commercial Environments

Day & Night Vari-Focal Lens/Fixed Lens Dome Camera

Cat No. CTCD-5351/120, CTCD-5351/100

*** Power supply not included**

Features :

- Operates in day and night conditions.
- Super high resolution 540TV lines.
- Colour.
- 12VDC/24VAC dual voltage.
- Illumination min. 0.002Lux.
- Vari-focal lens: 3.8 - 9.5mm.
- CTCD-5351/100 comes with fixed 4.0mm lens.

SPECIFICATIONS	CTCD-5351/120	CTCD-5351/100
Power Source	24VAC/12VDC 160mA	24VAC/12VDC 160mA
Total Pixels	811(h) x 508(v), NTSC 795(h) x 596(v), PAL	811(h) x 508(v), NTSC 795(h) x 596(v), PAL
Effective Pixels	768(h) x 494(v), NTSC 752(h) x 582(v), PAL	768(h) x 494(v), NTSC 752(h) x 582(v), PAL
Size	1/3" Interline Transfer CCD	
Scanning System	2:1 Interlace	
Synchronization	INT/L.L Selectable 0~359° Adjustable	
Frequency	NTSC: Horizontal 15.734KHz Vertical 59.94Hz PAL: Horizontal 15.625KHz Vertical 50.00Hz	
Resolution	540 TV Lines	540 TV Lines
Video Output	NTSC: 1.0Vp-p/75 (Video 0.714Vp-p Sync 0.286Vp-p) PAL: 1.0Vp-p/75 (Video 0.7 Vp-p Sync 0.3Vp-p)	
S/N (Y signal)	50db (AGC Off)	50db (AGC Off)
Illumination min.	0.3 /f1.2 (Colour) 0.1 /f1.2 (B&W) 0.002 Lux (Sens-up)	0.3 /f1.2 (Colour) 0.1 /f1.2 (B&W) 0.002 Lux (Sens-up)
Colour	On/Auto	On/Auto
Gain Control	Off/Low/Middle/High	Off/Low/Middle/High
White Balance	ATW/AWC/Manual (1,800°K~10,500°K)	
Electronic Shutter	Auto /Manual 1/60- 1/120,000(NTSC) 1/50-1/120,000(PAL)	Auto /Manual 1/60- 1/120,000(NTSC) 1/50-1/120,000(PAL)
Sens-Up	Off/Auto	Off/Auto
O.S.D	Built-in	Built-in
Motion Detection	On/Off (4 Programmable Zone)	
DNR	Off/Low/Middle/High (Noise Reduction)	
Mirror	Built-in, Horizontal Image Inversion	
Privacy Function	On/Off (4 Programmable Zone)	
Operating Temperature	-10°C to 50°C, 30~90%RH	
Weight	630g	

Wall Mounting Bracket

Cat No. WI-120, WI-100

Features :

- For indoor use.
- Use bracket WI-120 for camera CTCD-5351/120
- Use bracket WI-100 for camera CTCD-5351/100

Ceiling Mounting Metal Housing

Cat No. CO-120, CO-100

Features :

- For outdoor use.
- Use mount CO-120 for camera CTCD-5351/120
- Use mount CO-100 for camera CTCD-5351/100

Wall Mounting Metal Housing

Cat No. WO-120, WO-100

Features :

- For outdoor use.
- Use mount WO-120 for camera CTCD-5351/120
- Use mount WO-100 for camera CTCD-5351/100

Dome Cameras

General Hi-Resolution Commercial Environments

Vari-Focal Lens, 120mm Body Dome Camera

Cat No. CTD-410VA CTD-410VD

*** Power supply not included**

Features :

- 1/3” colour Sony Super HAD CCD.
- Built-in vari-focal DC auto IRIS lens (4.0~9.0mm).
- Modern and stylish dome.
- Various dome housings and brackets for indoor and outdoor applications.
- High resolution, more than 480TV lines.
- Minimum illumination of 0.3Lux.
- Excellent signal to noise ratio of 50dB.
- 12VDC or 24VAC power requirement.

SPECIFICATIONS	CTD-410VA	CTD-410VD
CCD Sensor	1/3” Colour Sony Super HAD CCD	1/3” Colour Sony Super HAD CCD
Scanning System	2:1 Interlace 525 Lines / 60 Fields 30 Frames (NTSC) 2:1 Interlace 625 Lines / 50 Fields 25 Frames (PAL)	2:1 Interlace 525 Lines / 60 Fields 30 Frames (NTSC) 2:1 Interlace 625 Lines / 50 Fields 25 Frames (PAL)
Effective Pixels	768(h) x 494(v), NTSC 752(h) x 582(v), PAL	768(h) x 494(v), NTSC 752(h) x 582(v), PAL
H.Resolution	480TV Lines	480TV Lines
Illumination min.	0.3 Lux (AGC On)	0.3 Lux (AGC On)
S/N Ratio	≥ 50 DB (AGC Off)	≥ 50 DB (AGC Off)
Video Output	1.0Vp-p, 75ohm, VBS	1.0Vp-p, 75ohm, VBS
Gamma	0.45	0.45
White Balance	AUTO	AUTO
Backlight Compensation	On/Off Selectable	On/Off Selectable
Flickerless	On/Off Selectable	On/Off Selectable
ESC	On/Off Selectable	On/Off Selectable
AGC	On/Off Selectable	On/Off Selectable
Synchronization	INT/L.L	INT
Electronic Shutter	Auto 1/60 1/100,000(NTSC) 1/50-1/100,000(PAL)	Auto 1/60 1/100,000(NTSC) 1/50-1/100,000(PAL)
Lens	Vari-focal DC AUTO IRIS Lens, f=4~9mm	Vari-focal DC AUTO IRIS Lens, f=4~9mm
Power Source	24VAC, 300mA	12VDC, 300mA
Power Consumption	4.5W	1.6W
Operating Temp	-10°C to 50°C	-10°C to 50°C
Weight	354g	354g
Dimensions	140 x 95mm (WxH)	140 x 95mm (WxH)

Wall Mounting Bracket

Cat No. WI-120

Features :

- For indoor use

Ceiling Mounting Metal Housing

Cat No. CO-120

Features :

- For outdoor use

Wall Mounting Metal Housing

Cat No. WO-120

Features :

- For outdoor use

Dome Cameras

General Commercial Environments

Fixed Lens 100mm Body, Fixed Lens 80mm Body Dome Camera

Cat No. CTD-271VD8, CTD-271VD10

*** Power supply not included**

Features :

- Built-in 3.6mm fixed lens.
- Modern and stylish dome.
- Various dome housings as well as brackets for indoor and outdoor applications.
- Resolution of more than 330TV lines.
- Minimum illumination of 0.3Lux (CTD-271VD10).
- DC 12V power requirement.

SPECIFICATIONS	CTD-271VD8	CTD-271VD10
CCD Sensor	1/4” Colour Interline Transfer CCD	1/3” Colour Interline Transfer CCD
Scanning System	2:1 Interlace 525 Lines / 60 Fields 30 Frames (NTSC) 2:1 Interlace 625 Lines / 50 Fields 25 Frames (PAL)	2:1 Interlace 525 Lines / 60 Fields 30 Frames (NTSC) 2:1 Interlace 625 Lines / 50 Fields 25 Frames (PAL)
Effective Pixels	510(h) x 492(v), NTSC 500(h) x 582(v), PAL	510(h) x 492(v), NTSC 500(h) x 582(v), PAL
H.Resolution	330TV Lines	330TV Lines
Illumination min.	0.8 Lux (AGC On)	0.8 Lux (AGC On)
S/N Ratio	More Than 48 dB (AGC off)	More Than 48 dB (AGC off)
Video Output	VBS 1.0Vp-p, 75ohm Load	VBS 1.0Vp-p, 75ohm Load
Gamma	r=0.45	r=0.45
White Balance	Auto	Auto
Backlight compensation	Off	Off
Flickerless	Off	Off
ESC	On	On
AGC	On (High)	On (High)
Synchronization	INT	INT
Electronic Shutter	Auto 1/60-1/100,000, NTSC 1/50-1/100,000, PAL	Auto 1/60-1/100,000, NTSC 1/50-1/100,000, PAL
Lens	3.6mm(92°) Fixed Lens	3.6mm(92°) Fixed Lens
Power Source	12VDC, 300mA	12VDC, 300mA
Power Consumption	1.2W	1.8W
Operating Temp	-10°C to 50°C	-10°C to 50°C
Weight	270g	270g
Dimensions	94.4 x 70mm (WxH)	118 x 85mm (WxH)

Wall Mounting Bracket

Cat No. WI-100, WI-80

Features :

- For indoor use.
- Use bracket WI-100 for camera CTD-271VD10
- Use bracket WI-80 for camera CTD-271VD8

Ceiling Mounting Metal Housing

Cat No. CO-100

Features :

- For outdoor use
- Use with camera CTD-271VD10

Wall Mounting Metal Housing

Cat No. WO-100

Features :

- For outdoor use
- Use with camera CTD-271VD10

Full Body Cameras

Super Hi-Resolution Commercial Environments

Full Body Cameras

Cat No. TOS-410E, CTS-411E, CTS-410EL

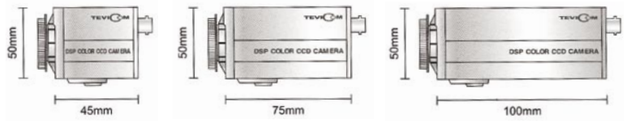
*** Lens not included**
*** Power supply not included**

Cat No. TOS-410E Features :

- 1/3" B&W Sony Super HAD CCD and Sony Exview Super HAD.
- High resolution more than 570TV lines (B&W).
- Minimum illumination 0.05Lux.
- ESC/AGC on/off selectable.
- Excellent signal to noise ratio of 50dB.
- 12VDC voltage.
- 3 kinds of case dimensions available.
- Outdoor use with the optional housing (GL-607).

Dimensions of Cameras

Type A **Type B** **Type C**



Cat No. CTS-410EL Features:

- 1/3" colour Sony Super HAD CCD.
- Based on the latest digital signal processing (DSP).
- High resolution more than 480TV lines.
- Minimum illumination 0.3Lux .
- Excellent signal to noise ratio of 50dB.
- Selectable electronic shutter control mode (VIDEO/DC/ESC).
- Flickerless on/off mode.
- Automatic white balance via auto/manual mode.
- External synchronization with line lock (AC 24V).
- 24VAC power requirement.
- 3 kinds of case dimensions available.
- Outdoor use with the optional housing (GL-607).

Cat No. CTS-411E Features :

- 1/3" colour interline transfer CCD.
- Based on the latest digital signal processing (DSP).
- High and standard resolution more than 480TV lines.
- Minimum illumination 0.8Lux.
- Excellent signal to noise ratio of 48dB.
- Selecatble electronic shutter control mode (VIDEO/DC/ESC).
- Mirror on/off mode.
- 12VDC power requirement.
- 3 kinds of case dimensions available.
- Outdoor use with the optional housing (GL-607).

SPECIFICATIONS	TOS-410E	CTS-411E	CTS-410EL
CCD Sensor	1/3" B&W Sony Super HAD CCD	1/3" Colour Interline Transfer CCD	1/3" Colour Sony Super HAD CCD
Scanning System	2:1 Interlace 625 Lines / 50 Fields 25 Frames (CCIR)	2:1 Interlace 625 Lines / 50 Fields 25 Frames (PAL)	2:1 Interlace 625 Lines / 50 Fields 25 Frames (PAL)
Sensing Area	-	4.88(h) x 3.66(v)mm	4.88(h) x 3.66(v)mm
Effective Pixels	768(h) x 494(v), EIA 752(h) x 582(v), CCIR	771(h) x 492(v), NTSC 753(h) x 582(v), PAL	768(h) x 494(v), NTSC 752(h) x 582(v), PAL
H.Resolution	570TV Lines	480TV Lines	480TV Lines
Illumination min.	0.05Lux (AGC on)	0.8Lux (AGC on)	0.3Lux (AGC on)
S/N Ratio	≥ 50 dB (AGC off)	≥ 48 dB (AGC off)	≥ 50 dB (AGC off)
Video Output	VBS 1.0Vp-p, 75ohm, VBS	1.0Vp-p, 75ohm Load, VBS	1.0Vp-p, 75ohm Load, VBS
Gamma	r=0.45	r=0.45	r=0.45
White Balance	-	AUTO	AUTO/ Manual Selectable
IRIS control	DC/Video Selectable	Direct Drive or Video	-
ESC	On/Off Selectable	-	-
Backlight Compen.	On/Off Selectable	On/Off Selectable	On/Off Selectable
AGC	On/Off Selectable	-	-
Flickerless	-	-	On/Off Selectable
BLC	-	-	On/Off Selectable
Mirror	-	On/Off selectable	-
Synchronization	INT	INT	INT/L.L
Electronic Shutter	Auto 1/60 1/100,000(EIA) 1/50-1/100,000(CCIR)	Auto 1/60-1/100,000(NTSC) 1/50-1/100,000(PAL)	Auto 1/60-1/100,000(NTSC) 1/50-1/100,000(PAL)
Lens mount	C/CS mount	C/CS mount	C/CS mount
Power Source	12VDC, 300mA	12VDC, 300mA	24VAC, 300mA
Power Consumption	1.2W	1.2W	4.5W
Operating Temp	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C
Humidity	0-80% Non-condensing	20-80% Non-condensing	20-80% Non-condensing
Weight	200g	290g	530g
Dimensions	A, B, C Type Available	A, B, C Type Available	A, B, C Type Available

Ceiling Mounted Metal Bracket

Cat No. GL-215

Features :

- L type bracket for ceiling mounting
- Max load 10kg
- Beige metal
- 350MHx180W (mm)
- 360° swivel angle
- 90° tilt angle
- For use with GL-607 Series

Wall Mounted Metal Bracket

Cat No. GL-210

Features :

- Wall type mounting
- Max load 10kg
- Beige aluminium
- 205mm (long)
- 360° swivel angle
- 90° tilt angle
- For use with GL-607 Series

Outdoor Metal Housing Unit

Cat No. GL-607

Features :

- For outdoor use
- Beige aluminium
- 147Wx140Hx470L mm
- Suits camera 105Wx100Hx320L mm
- Certificate IP66, CE

Outdoor Metal Unit with Heater

Cat No. GL-607H

Features :

- Heater active below 15°C
- Input voltage 12VDC/24VAC
- GL-607 housing with heater

Outdoor Metal Housing Unit with Heater and Blower

Cat No. GL-607HB

Features :

- Heater active below 15°C
- Blower active above 15°C
- Input voltage 24VAC
- GL-607 housing with heater and blower

Full Body Cameras

Super Hi-Resolution Commercial Environments

Day & Night Full Body Camera

Cat No. CTCC-5352

*** Lens not included**
*** Power supply not included**

Features :

- Operates in day and night conditions.
- 1/3” colour Sony Super HAD CCD.
- Super high resolution 540TV lines.
- 12VDC/24VAC dual voltage.
- Illumination Min. 0.002Lux.
- S/N Ratio of ≥ 50 DB.

SPECIFICATIONS	CTCD-5352
Power Source	24VAC/12VDC, 160mA
Total Pixels	811(h) x 508(v), NTSC 795(h) x 596(v), PAL
Effective Pixels	768(h) x 494(v), NTSC 752(h) x 582(v), PAL
Size	1/3” Interline Transfer CCD
Scanning System	2:1 Interlace
Synchronization	INT/L.L Selectable 0~359° Adjustable
Frequency	NTSC: Horizontal 15.734KHz Vertical 59.94Hz PAL: Horizontal 15.625KHz Vertical 50.00Hz
Resolution	540 TV Lines
Video Output	NTSC: 1.0Vp-p/75 (Video 0.714Vp-p Sync 0.286Vp-p) PAL: 1.0Vp-p/75 (Video 0.7 Vp-p Sync 0.3Vp-p)
S/N (Y signal)	50db (AGC Off)
Illumination min.	0.3 /f1.2 (Colour) 0.1 /f1.2 (B&W) 0.002Lux (Sens-up)
Colour	On/Auto
Gain Control	Off/Low/Middle/High
White Balance	ATW/AWC/Manual (1,800°K~10,500°K)
Electronic Shutter	Auto /Manual 1/60- 1/120,000(NTSC) 1/50-1/120,000(PAL)
Sens-Up	Off/Auto
O.S.D	Built-in
Motion Detection	On/Off (4 Programmable Zone)
DNR	Off/Low/Middle/High (Noise Reduction)
Mirror	Built-in, Horizontal Image Inversion
Privacy Function	On/Off (4 Programmable Zone)
Operating Temperature	-10°C to 50°C, 30~90%RH
Weight	360g

Ceiling Mounted Metal Bracket

Cat No. GL-215

Features :

- L type bracket for ceiling mounting
- Max load 10kg
- Beige metal
- 350MHx180W (mm)
- 360° swivel angle
- 90° tilt angle
- For use with GL-607 Series

Wall Mounted Metal Bracket

Cat No. GL-210

Features :

- Wall type mounting
- Max load 10kg
- Beige aluminium
- 205mm (long)
- 360° swivel angle
- 90° tilt angle
- For use with GL-607 Series

Outdoor Metal Housing Unit

Cat No. GL-607

Features :

- For outdoor use.
- Beige aluminium.
- 147Wx140Hx470L mm
- Suits camera 105Wx100Hx320L mm
- Certificate IP66, CE

Outdoor Metal Housing Unit with Heater

Cat No. GL-607H

Features :

- Heater active below 15°C
- Input voltage 12VDC/24VAC
- GL-607 housing with heater

Outdoor Metal Housing Unit with Heater and Blower

Cat No. GL-607HB

Features :

- Heater active below 15°C
- Blower active above 15°C
- Input voltage 24VAC
- GL-607 housing with heater and blower

Lenses - Full Body Cameras

Cat No. TW-3080V

Features:

- IRIS type: video drive.
- Format: 1/3”, 1/4’.
- Mount: CS.
- Focal length: 3.0~8.0mm.
- Back focal length: 8.7~14.37mm.
- Aperture (f): 1.4~360.
- Angle of view (WxHxD): 1/3”/68.7°~26.0°/93.4° ~34.6°/118.7°~44.1° 1/4”/50.9°~19.4°/68.7° ~25.8°/89.1°~33.0°.
- Dimension (ø x l): 45.7x59mm.
- Weight: 89g.
- Available colours: black, ivory, silver.

Cat No. TW-3080D

Features:

- IRIS type: direct drive.
- Format: 1/3”, 1/4’.
- Mount: CS.
- Focal length: 3.0~8.0mm.
- Back focal length: 8.7~14.37mm.
- Aperture (f): 1.4~360.
- Angle of view (WxHxD): 1/3”/68.7° ~26.0°/93.4° ~34.6°/118.7°~ 44.1° 1/4”/50.9° ~19.4°/68.7° ~25.8°/89.1° ~33.0°.
- Dimension (ø x l): 43.7x59mm.
- Weight: 87g.
- Available colours: black, ivory, silver.

Cat No. TW-28120D

Features:

- IRIS type: direct drive.
- Format: 1/3”, 1/4’.
- Mount: CS.
- Focal length: 2.8~11.5mm.
- Back focal length: 9.75~20.46mm.
- Aperture (f): 1.4~360.
- Angle of view (WxHxD): 1/3”/72.5° ~ 18.7°/99.8° ~ 25.0°/134.0° ~ 32.0° 1/4”/53.5° ~ 14.0°/72.5° ~ 18.8°/92.7° ~ 23.4°.
- Dimension (ø x l): 34.4x61mm.
- Weight: 98.5g.
- Available colours: black, ivory, silver.

Cat No. TW-28120M

Features:

- IRIS type: manual.
- Format: 1/3”, 1/4’.
- Mount: CS.
- Focal length: 2.8~11.5mm.
- Back focal length: 9.75~20.46mm.
- Aperture (f): 1.4~close.
- Angle of view (WxHxD): 1/3”/72.5° ~ 18.7°/99.8° ~ 25.0°/134.0° ~ 32.0° 1/4”/53.5° ~ 14.0°/72.5° ~ 18.8°/92.7° ~ 23.4°.
- Dimension (ø x l): 34.4 x 61mm.
- Weight: 98.5g.
- Available colours: black, ivory, silver.

Cat No. TW-50500D

Features:

- IRIS type: direct drive.
- Format: 1/3”.
- Mount: CS.
- Focal length: 5.3~46.9mm.
- Back focal length: 9.80~11.69mm.
- Aperture (f): 1.4~360.
- Angle of view (WxHxD): 1/3”/37.98°~4.38°/49.2° ~5.82°/59.6°~7.4°.
- Dimension (ø x l): 44x65mm.
- Weight: 132g.
- Available colours: black, ivory, silver.

Bullet Cameras

Low Light Environments

Day & Night, Outdoor Built-In Vari-Focal Lens Bullet Camera

Cat No. CTDN - 410DN

*** Power supply not included**

SPECIFICATIONS	CTDN-410DN
CCD Sensor	1/3" colour Sony Exview CCD
Scanning System	525 Lines, 2:1 Interlace, NTSC 625 Lines, 2:1 Interlace, PAL
Effective Picture Elements	768(h) x 494(v), NTSC 752(h) x 582(v), PAL
Horizontal Resolution	460TV Lines (Day) NTSC 510TV Lines (Night) NTSC 480TV Lines (Day) PAL 520TV Lines (Night) PAL
Illumination Min.	0.5Lux (Day) 0.03Lux (Night)
S/N Ratio	More Than 50 dB
Video Output	VBS 1.0Vp-p, with 75ohm Load
Gamma	R=0.45
White Balance	ATW/AWB
Backlight Compensation	On/Off Selectable
Flickerless	On/Off Selectable
AGC	On/Off Selectable
Synchronization	INT
Electronic Shutter	Auto (1/60~1/100,000) NTSC Auto(1/50~1/100,000) PAL
Lens	Vari-focal DC AUTO IRIS Lens, f=3.8~9.5mm
Power Source	12VDC, 300mA
Power Consumption	1.6W
Operating Temp	-10°C to 50°C
Humidity	20~80% Non-condensing
Weight	800g
Dimensions	195 x 70 x 70mm (WxHxD)

Features :

- Operates in day and night conditions.
- Attached sun-sheild housing to protect from direct sun-light.
- Based on latest digital signal processing (DSP).
- High resolution more than 480 TV lines (day) more than 520 TV lines (night).
- Minimum illumination 0.03Lux.
- Vari-focal DC auto IRIS lens built-in.
- Built-in DIP switch and automatic functions such as:
  - Electronic shutter control (on/off)
  - Flickerless mode (on/off)
  - Back light compensation (on/off)
  - Auto white balance (on/off).

Bullet Cameras

0Lux Environments

Day & Night Infra-Red (IR) 0Lux Bullet Camera

Cat No. CBC-251W

*** Power supply not included**

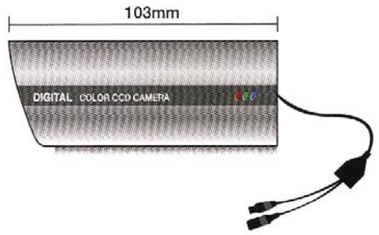
SPECIFICATIONS	CBC-251W
CCD Sensor	1/4" Colour Interline Transfer CCD
Effective Pixels	512(h)x492(v), NTSC 500(h)x582(v), PAL
H.Resolution	330TV Lines
Illumination Min.	0Lux (CDS On)
S/N Ratio	≥ 48dB (AGC Off)
Video Output	1.0Vp0p, 750hm VBS
Gamma	R=0.45
White Balance	Auto
Backlight Compensation	Auto
Sychronization	INT
Electronic Shutter	Auto 1/60- 1/100,000(NTSC) 1/50-1/100,000(PAL)
Lens	3.6mm Fixed Lens
Power Source	12VDC, 300mmA
Power Consumption	1.8W
LED	12LEDS
Illuminate Distance	10m
Operating Temp.	10°C to 50°C
Weight	125g
Dimensions	103x42x42mm (WxHxD)

Features :

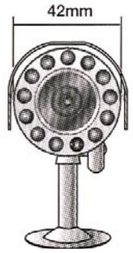
- Operates in day and night conditions.
- Ultra compact, colour night vision bullet camera.
- Built-in 12 LEDs to observe the security area under total darkness.
- Waterproof housing ensures reliable operation in outdoor and indoor application.
- Attached sun shield housing for protection of direct sunlight.
- Extremely low power consumption.
- Maintenance free.
- 12VDC power requirement.

Dimensions of Camera

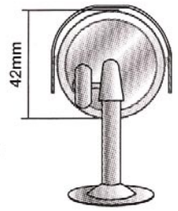
Side View



Front View



Rear View



Analogue Surveillance

Small Store or Home Environments

Home & Store Colour and B&W TV Surveillance System

Cat No. TTC-361N, TTC-261N, TTC-361NM, TTC-261NM

* Lens not included

Features :

- An intelligent and cost effective system with alarm and video recording that can be used for home or store.
- Can be used with standard household VCR or DVR.
- Built-in controller function can operate with domestic VCR/DVR automatically.
- Built-in passive infra-red detector for motion detection and recording/alarm.
- Built-in alarm to remind user of triggered situation.
- A built-in microphone and speaker allows the user to communicate via camera, distribution box and home TV.

MODLE	Colour	Talk	Alarm	VCR Cont.	Lens Type
TTC-361N	B&W	Built-in	Built-in	Built-in	Fixed Lens
TTC-261N	Colour	Built-in	Built-in	Built-in	Fixed Lens
TTC-361NM	B&W	Built-in	Built-in	Built-in	C-mount Lens
TTC-261NM	Colour	Built-in	Built-in	Built-in	C-mount Lens

System Configuration

Accessories:

Cat No. TOC-15
15m 6 Pin Extension Cable (Male-Male).

Cat No. TOC-30
30m 6 Pin Extension Cable (Male-Male).

Cat No. TOC-50
50m 6 Pin Extension Cable (Male-Male).

Digital Video Recorder

Professional Stand Alone DVR

Cat No. KR-5704CV, KR-5708CV KR-5716CV

*** Hard disk drive not included**

Features :

- JPEG2000, new compression algorithm.
- Best video quality.
- Non-mosaic in playback.
- Triplex operation.
- Up to 240fps recording speed.
- Compatible with TFT-LCD monitors and CRT monitors.
- PAL/NTSC auto-detection.
- Password protection.
- TCP/IP network function.
- Network viewer software provided.
- Archiving via CD-RW.
- Multi-backup applications (CD-RW, VCR, ethernet).
- Firmware up-gradable by user.
- PTZ control via RS-485.
- Jog-shuttle for easy search.
- Pre-format of HDD is not required.
- IR remote control.
- CMS (Central Monitoring Software) allows linking of up to 64 DVR's over a network.

Accessories:

DVR Hard Disk Drives are available as an extra addition in capacities of:

- 250GB(Cat No. HDD-250HIT)
- 500GB(Cat No. HDD-500HIT)

SPECIFICATIONS	KR-5704CV	KR-5708CV	KR-5716CV
Video Standard	NTSC (EIA) or PAL (CCIR), Automatically Detected		
Video Inputs	4	8	16
Video Outputs	4 Looping, 2 Main or Spot Monitor, 1 S-video	8 Looping, 2 Main or Spot Monitor, 1 S-video	16 Looping, 2 Main or Spot Monitor, 1 S-video
Compression Algorithm	JPEG 2000	JPEG 2000	JPEG 2000
Operating Mode	Triplex (Playback, Record, Network)		
Standard Media	Max. 2 Hard Disks, Unlimited Capacity (3.5", IDE/ATA Type, 7200 rpm) Highly Recommended HDD Maker: MAXTOR		
Display Resolution	NTSC: 720 x 480 PAL: 720 x 576	NTSC: 720 x 480 PAL: 720 x 576	NTSC: 720 x 480 PAL: 720 x 576
Display Rate (Each Channel)	NTSC: 30fps @ 720 x 480 PAL: 25fps @ 720 x 576	NTSC: 30fps @ 720 x 480 PAL: 25fps @ 720 x 576	NTSC: 30fps @ 720 x 480 PAL: 25fps @ 720 x 576
Recording Rate (In Total)	NTSC: 240fps @ 360 x 120, 120fps @ 360 x 240, 60fps @ 720 x 240 PAL: 200fps @ 360 x 144, 100fps @ 360 x 288, 50fps @ 720 x 288		
Recording Quality, Size and Duration (@ 720x240)	Superfine: 24kb (36hrs), Fine: 20kb (40hrs), Enhanced: 16kb (49hrs) Normal: 12kb (61hrs), Basic: 8kb (82hrs)		
Recording Modes	Continuous, Alarm, Motion, Continuous Alarm, Continuous Motion, Alarm Motion, Schedule		
Recording Schedule	User Programmable Weekly Schedule		
Search Modes	Time, Event, Jog-Shuttle	Time, Event, Jog-Shuttle	Time, Event, Jog-Shuttle
Playback Speeds	Normal: x1, Fast: x2 ~ x60, Slow: x1/64 ~ x1/2		
Jog-Shuttle	Jog (Forward: x1/4 ~ x64, Backward: x1/4 ~ x64) Shuttle (Still Images)		
Alarm Inputs	4, 8, 16 Dry Contacts, NC/NO Programmable		
Alarm Outputs	1 Relay Output, NC/NO Programmable		
Motion Detection	16 Horizontal x 12 Vertical (Each Channel) 4 Levels Sensitivity Adjustable		
Event Log	Yes (Event List)	Yes (Event List)	Yes (Event List)
PTZ Control	RS-485 Interface	RS-485 Interface	RS-485 Interface
Archiving	VCR Backup, Download Via IP Network, CD-RW, USB Port		
Remote Control	Infrared Wireless Remote Control Unit (Included)		
Network	TCP/IP	TCP/IP	TCP/IP
Software	Software CD (Network Viewer & CD Player) Included		
Connectors Video Input/Output	8, 16, 32 BNCs (Video Inputs Looping) 2 BNCs (Monitor)		
RS-232C	Male 9-Pin D-Sub	Male 9-Pin D-Sub	Male 9-Pin D-Sub
Alarm/ RS-485	10, 15, 26 Screw-Terminals (Alarm In/Out, RS-485)		
Ethernet	RJ45, 10/100 Base T Compatible		
Power Input	2 DC Power Jack (2.5mm Pin), Main: For Main Board and Master HDD, Sub: For CD-RW and Slave HDD		
Power Supply	2 x 12 VDC Power Adapter Included (✔ UL, CE Approved, Input Voltage 100 VAC~240)		
Nominal Power (No HDD)	30W	31W	32W
Dimensions	436 x 396 x 88 (WxDxH)	436 x 396 x 88 (WxDxH)	436 x 396 x 88 (WxDxH)
Rack Mounting Kit	2 L-Shaped Brackets (Included)		
Operating Temp.	5 to 50°C (with HDD)	5 to 50°C (with HDD)	5 to 50°C (with HDD)
Relative Humidity	10% to 80% Relative, Non-Condensing (with HDD)		
VGA Card	For PC Monitor (CRT, TFT), with Female 15-Pin D-Sub Connector (Small Type)		

Digital Video Recorder

Professional, Industrial PC Based DVR

Cat No. SV-8240/240, SV-16480/240, SV-32240/240

Features :

- PC based digital video recorder (DVR).
- Full real-time display.
- Supports high video resolution.
- Recording options including: real-time, continuous, schedule, motion detection, pre & post event recording/alarm.
- MPEG4 and MJPEG compression algorithm selectable.
- Multi-channel search at the same time, server/remote.
- Instant search via recording time bar, date and camera.
- Recorded image zooming and panning via mouse.
- Data backup to DVD, CD-RW, FDD or network drive.
- Files save in AVI, BMP or JPEG formats.
- Remote dynamic and static IP support.
- Monitoring and full control of server via remote PC.
- Remote connection by PSTN, TCP/IP, internet by ethernet card.
- Multi-access to servers controlled by management S/W program.
- Extra Functions: watch-dog timer, shut down 1min after power failure, motion detection sensitivity control, water-marking proof, event log, indicators for recording, sensor detection, alarm, HDD capacity, PTZ camera control, focus of display condition adjustable (brightness, contrast, saturation, hue), automatic smart update via internet, PDA support.

SPECIFICATIONS	SV-8240/240	SV-16480/240	SV-32240/240
Camera Input	8 CH	16 CH	32 CH
Display Speed	240fps NTSC 200fps PAL	480fps NTSC 400fps PAL	240fps NTSC 200fps PAL
Recording Speed	240fps NTSC 200fps PAL	240fps NTSC 200fps PAL	240fps NTSC 200fps PAL
Screen Divisions	1, 4, 6, 7, 9, 10, 13, 16 Splits	1, 4, 6, 7, 9, 10, 13, 16 Splits	1, 4, 6, 7, 9, 10, 13, 16, 22, 25, 30, 36 Splits
Monitor Output	RGB (VGA), RCA, BNC		
Sensor Input	4	4	4
Alarm Output	4	4	4
Video Resolution	640x480, 320x240 NTSC 720x576, 352x288 PAL		
Recording Quality	Control by 6 Level		
Size of Image	2-4KB (320x240 Medium Level)		
Video Compression	Mpeg4 and Mjpeg		
Switching Screens	1-10 Seconds	1-10 Seconds	1-10 Seconds
Output Resolution	Over 400 TV Lines (1 Screen)		
Playback Display	Multiple Camera Views on Screen Simultaneously		
Network	LAN, Cable Modem, PSTN, ISDN, ADSL		
Alarm Output Time	1-30 Seconds	1-30 Seconds	1-30 Seconds
Motion Detection	5 Types of Sensors	5 Types of Sensors	5 Types of Sensors
Power Tolerance	Supported	Supported	Supported
Auto Detection	Supported	Supported	Supported
Data Back-up	FDD, DVD-RW, CD-RW, Network Driver		
HDD	Standard 80GB, Max: 1,250 GB Expandable		
Audio Input	4 CH	4 CH	4 CH
Audio Compression	Tevicom Unique Compression Algorithm		
Remote Control	RS422/485 or 232 Pan/Tilt/Zoom/Iris		
Operating Temperature	0°C to 50°C	0°C to 50°C	0°C to 50°C
System Dimensions	480x175x450mm (WxHxD)		
Weight	21Kg	21Kg	21Kg

Accessories:

DVR Hard Disk Drives are available as an extra addition:

- 250GB(Cat No. HDD-250HIT)
- 500GB(Cat No. HDD-500HIT)

Digital Video Recorder

Stand Alone DVR

Cat No. SDVS-4120M

*** Hard disk drive not included**

Features :

- 4 channel DVR.
- Simple to install.
- User friendly interface.
- IR remote control.
- Supports motion detection.
- NTSC/PAL format.
- Display (100-120 fps).
- Record (25-30 fps).
- Backup via USB port.
- HDD capacity up to 1,000GB.

SPECIFICATIONS	SDVS-4120M
Operating Temperature	0~40 °C
Relative Humidity	Max.80% Non-condensing
Dimensions	65 x 350 x 260mm (HxWxD)
Unit Weight	3.1kg (Except HDD & Accessories)
HDD Capability	Upto 1,000 GB, 48bit Addressing Type HDD Support
Video Input Format	NTSC/PAL
Video Input/Output CH	4/2 CH BNC (External Connection Box Support)
Sensor In/Alarm Out	4/1 CH (External Connection Box Support)
Audio In/Out CH	4/1 CH (External Connection Box Support)
Display Frame	NTSC: 120 Frames/sec, PAL: 100 Frames/sec
Recording Frame (Quad)	NTSC: Max 30fps, PAL: Max 25fps
Recording Frame (Each)	NTSC: Max 7.5fps Each Mode (Max Frame/Number of Video Source) PAL: Max 6.25fps Each Mode (Max Frame/Number of Video Source)
Display Resolution	NTSC: 720 x 480, PAL: 720 x 576
Recording Resolution	NTSC: 320 x 112, 640 x 224, PAL: 320 x 163, 640 x 272
Recording Mode	Continuous, Manual, Event, Programmed, Software Motion Detection
Compression Format	Modified MJPEG (Encoding in DVR)
Backup	VCR, USB

Stand Alone DVR Dome & Bullet Camera Kit

Cat No. TEVI-KIT4x22, Includes:

4 Channel DVR (SDVS-4120M), 2 Dome Cameras (CTD-271VD8) and 2 Bullet Cameras (CBC-251W).

Stand Alone DVR, Dome Camera Kit

Cat No. TEVI-KIT4x2, Includes:

4 Channel DVR (SDVS-4120M) and 2 Dome Cameras (CTD-271VD8) .

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